

(For all students in the Program)

## Undergraduate Minor Program in Biotechnology

Except for those with major in Biochemistry and Cell Biology (BCB), Biological Science (BISC), and Biotechnology (BIOT), any undergraduate students under the 4-year degree with an overall CGA of 2.15 or above may enroll in the Biotechnology Minor Program. Students must declare their intention to enroll in the Minor Program no earlier than the first regular term of their second year of study but no later than the last day of the add/drop period in the first regular term of their final year of study. Students who wish to withdraw from the Minor Program should apply before the last day of the add/drop period in the first regular term of their final year of study.

### Minor Requirements

To graduate with a minor in Biotechnology, students must have enrolled in the Minor Program and complete a minimum total of 18 credits and all of its requirements, as well as the requirements of the major program of study; and have attained an average grade point of at least 1.85 in courses taken within the minor program.

For credit transfer, students can transfer a maximum total of 6 credits to the Minor Program.

Out of the total credits required by the minor program, at least 9 credits should be single-counted within the minor and are not used to fulfill any other requirements for graduation except the 120-credit degree requirement.

Students may use no more than 6 credits earned from courses offered in pure online delivery mode to satisfy the graduation requirements of a degree program. This 6-credit limit does not apply to credits obtained through the credit transfer procedures of the University.

### Required Course(s)

			<b>Credit(s) attained</b>
LIFS	2040	Cell Biology	3
LIFS	2210	Biochemistry I	3
LIFS	4630	Advanced Topics in Biotechnology	3

### Elective(s)

			<b>Minimum credit(s) required</b>
LIFS/BTEC		Biotechnology Electives (3 courses from the specified elective list, of which at least 3 credits must be at 4000-level or above.)	9
LIFS	3060	Microbiology	3
LIFS	3110	Biotechnological Application of Recombinant DNA Techniques	3
LIFS	3210	Principles of Recombinant DNA Technology	1
LIFS	4150	Plant Biotechnology	3
LIFS	4360	Aquaculture Biotechnology	3
LIFS	4380	Pharmacology and Toxicology	3
LIFS	4550	Biochemistry of Nutrition	3
LIFS	4580	Bioinformatics	3
LIFS	4760	Biochemistry of Diseases	3

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BTEC	5210	Principles and Application in Biotechnology	4
BTEC	5340	Biomarkers and Medical Devices	3